

+

+

**Complete if Known**

*(use as many sheets as necessary)*

Sheet	1	of	6
-------	---	----	---

Application Number	08/962,700
Filing Date	November 3, 1997
First Named Inventor	J. Michael Caldwell
Group Art Unit	1734
Examiner Name	J.A. Lorens
Attorney Docket Number	97-020

FEB 10 1998

[illegible]

Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Cross-References	T <sup>3</sup>
		Office <sup>3</sup>	Number <sup>4</sup>				
[Signature]	A.M		57-149559		Unitika KK	9/16/82	
	A.N		422469		Polezhaev et al.	9/11/74	
	A.O		89/08553		Sili-tex, Inc.	9/21/89	
	A.P		89/08554		Sili-tex Inc.	9/21/89	
	A.Q		89/08555		Sili-tex, Inc.	9/21/89	

**Examiner  
Signature**

Date Considered

3/17/88

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

+

+

Substitute for form 1449B/PTO

**Complete if Known**

(use as many sheets as necessary)

## Sheet

2

of

6

Application Number

08/962.700

Filing Date

November 3, 1997

**First Named Inventor**

J. Michael Caldwell

**Group Art Unit**

1734

**Examiner Name**

JA Lugo

Attorney Docket Number

97-020

[illegible]

**Examiner  
Signature**

Date Considered

3/17/99

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+


+

Substitute for form 1449A/PTO

*(use as many sheets as necessary)*

Sheet	3	of	6
-------	---	----	---

Application Number	08/962,700
Filing Date	November 3, 1997
First Named Inventor	J. Michael Caldwell
Group Art Unit	1734
Examiner Name	SA Lemso
Attorney Docket Number	97-020



U.S. Patent Documents						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
C	BA	2,976,182		Caldwell et al.	3/21/61	
	BB	3,026,293		Caldwell et al.	3/20/62	
	BC	3,165,423		Caldwell et al.	1/12/65	
	BD	3,184,421		Caldwell et al.	5/18/65	
	BE	3,265,529		Caldwell et al.	8/9/66	
	BF	3,326,713		Smith et al.	6/20/67	
	BG	3,328,661		Grebe	6/21/67	
	BH	3,356,628		Smith et al.	12/5/67	
	BI	3,360,394		Griffin et al.	12/26/67	
	BJ	3,393,186		Groves	7/16/68	
	BK	3,398,182		Guenthner et al.	8/20/68	
	BL	3,436,366		Modic	4/1/69	
	BM	3,594,213		Rudman	7/20/71	
	RN	3,639,155		Hartieim et al.	2/1/72	
	BO	3,896,251		Landucci	7/22/75	

[illegible]

Date Considered

3/17/90

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

+

$+$ 

+

Substitute for form 1449A/PTO

(use as many sheets as necessary)

Application Number	08/962,700
Filing Date	November 3, 1997
First Named Inventor	J. Michael Caldwell
Group Art Unit	1734
Examiner Name	JA Lingo
Attorney Docket Number	97-020

Sheet 4 of 6

Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
[Handwritten initials]	CB	4,032,502		Lee et al.	6/28/77	
	CC	4,108,825		Hayes	8/22/78	
	CD	4,110,392		Yamazaki	8/29/78	
	CE	4,112,179		Maccalous et al.	9/5/78	
	CF	4,162,243		Lee et al.	7/24/79	
	CG	4,162,356		Grenoble	7/24/79	
	CH	4,216,252		Moeller	8/5/80	
	CI	4,216,290		De Beul et al.	8/5/80	
	CJ	4,250,075		Monroe et al.	2/10/81	
	CK	4,287,261		West et al.	9/1/81	
	CL	4,293,611		Martin	10/06/81	
	CM	4,297,265		Olsen	10/27/81	
	CN	4,311,760		Kalinowski et al.	1/19/82	
	CO	4,329,274		Faltynek	5/11/82	
	CP	4,369,231		West et al.	1/18/83	
	CQ	4,370,365		Takamizawa et al.	1/25/83	
CR	4,426,476		Chang	1/17/84		
CS	4,427,801		Sweet	1/24/84		
CT	4,442,060		Bouverot et al.	4/10/84		

[illegible]Date  
Considered

3/17/98

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

+

$+$ 

+

Substitute for form 1449A/PTO

*(use as many sheets as necessary)*

Application Number	08/962,700
Filing Date	November 3, 1997
First Named Inventor	J. Michael Caldwell
Group Art Unit	1724
Examiner Name	SA Lange
Attorney Docket Number	97-020

Sheet

5

of

6

Attorney Docket Number

97-020

Examiner Initials	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (# known)			
	DA	4,454,191		von Blucher et al.	6/12/84	
	DB	4,472,470		Modic	9/18/84	
	DC	4,478,895		Makami et al.	10/23/84	
	DD	4,500,584		Modic	2/19/85	
	DE	4,500,659		Kroupa et al.	2/19/85	
	DF	4,504,549		Pines et al.	3/12/85	
	DG	4,539,930		Stuck et al.	9/10/85	
	DH	4,548,859		Kline et al.	10/22/85	
	DI	4,555,811		Shimalla	12/3/85	
	DJ	4,560,611		Naka et al.	12/24/85	
	DK	4,562,219		Frye	12/31/85	
	DL	4,585,830		Sweet	4/29/86	
	DM	4,588,614		Lauchenauer	5/13/86	
	DN	4,600,436		Travor et al.	7/15/86	
	DO	4,619,864		Hendrix et al.	10/28/86	
	DP	4,666,765		Caldwell et al.	5/19/87	
	DR	4,684,570		Malanoy	8/4/87	
		4,753,978		Jensen	6/28/88	
	DS	4,758,239		Yeo et al.	7/19/88	
	DT	4,785,047		Jensen	11/15/88	

[illegible]

Date Considered	
-----------------	--

3/17/88

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 4). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

+

+

Substitute for form 1449A/PTO

(use as many sheets as necessary)

## Sheet

6

of

6

Application Number	08/962,700
Filing Date	November 3, 1997
First Named Inventor	J. Michael Caldwell
Group Art Unit	1834
Examiner Name	JA Luv-gu
Attorney Docket Number	97-020

[illegible][illegible]

**Examiner  
Signature**

Date  
Considered

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

**DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**